

an as cast grain size between 300 and 800 μm which is heat treated by solution treating, quenching and artificial aging, a final wrought product having a fraction of recrystallized grains measured between one-quarter thickness and mid-thickness less than 35% by volume, and a characteristic intercept distance between recrystallized areas greater than 250 μm .

17. (New) The product according to claim 16, wherein said cast ingot is grain refined by addition of nucleant particles to said aluminum alloy, said nucleant particles being present during solidification of the ingot.

18. (New) The product according to claim 17, wherein said nucleant particles comprise, by weight, 0.01 to 0.03% Ti and 1 to 10 $\mu\text{g/g}$ B added to the aluminum alloy which is cast into said ingot.

19. (New) The product according to claim 18, wherein the alloy has a Ti content of between 0.01 and 0.02% by weight.

20. (New) The product according to claim 16, wherein the characteristic intercept distance between recrystallized areas is greater than 300 μm .

B1

21. (New) The product according to claim 20, wherein the characteristic intercept distance between recrystallized areas is greater than 350 μm .

22. (New) The product according to claim 16, comprising an AlZnMgCu alloy consisting essentially of, in % by weight:

Zn: 4-10;

Mg: 1-4;

Cu: 1-3.5;

Cr < 0.3;

Zr < 0.3;

Si < 0.5;

Fe < 0.5;

other elements < 0.05 each and < 0.15 total; and

Al: remainder.

23. (New) The product according to claim 22, wherein the alloy is selected from the group consisting of 7010, 7020, 7040, 7049, 7050, 7055, 7060, 7075, 7149, 7150, 7175, 7349, 7449, and 7475 aluminum alloys.

24. (New) Structural member for airframe structures, made of a rolled, forged or extruded product according to claim 16.

B1